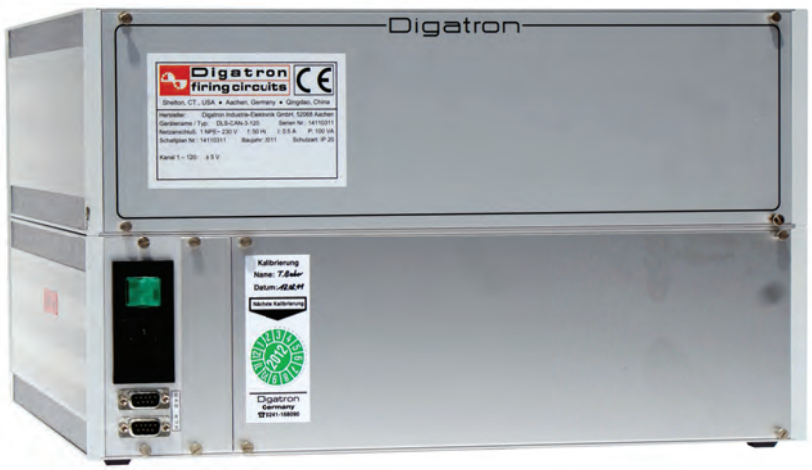
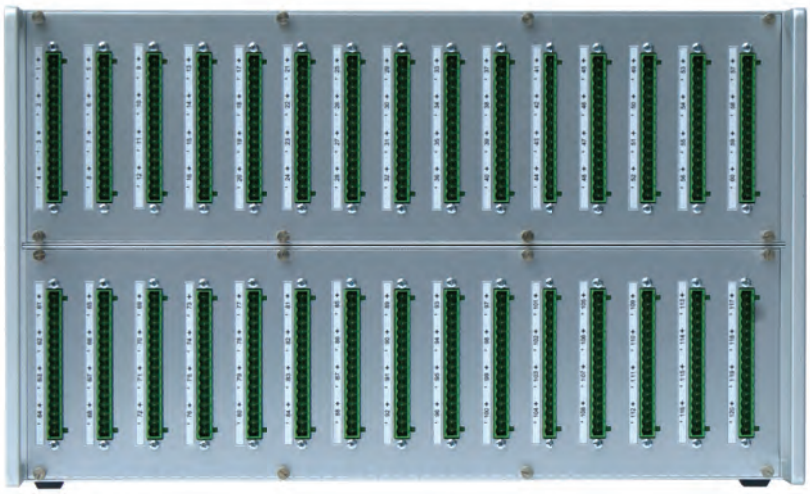
ENGLISH

Data Logger DLS

DLS-CAN Series





- For Monitoring Single Cell Voltages and Temperatures
- Other Input Types on Request
- Up to 500 Channels
- Inputs from 50 mV to 60 VDC
- Temperature Inputs such as Thermocouples, PT100, AD 590
- Special Protection Boards for High Voltage Systems
- 16 bit Resolution
- 50/60 Hz Line Compensation
- Software Calibration
- 1000 V I/O Potential Isolation
- CAN Bus Interface
- Integrated into Battery Manager/BTS-600 Systems

Digatron
power electronics

Technical Data

Interface:	Digatron/Firing Circuits CAN Bus
No. of Input Channels:	Max. 500 Channels
Type of Input Channels:	Voltage, Thermocouples, PT100, AD 590
Accuracy Voltage Channels:	± 0.1% Full Scale
Resolution Voltage Channels:	± 15 bit
Accuracy Temperature Channels:	± 1°C
Resolution Temperature Channels:	± 11 bit (AD 590)
Data Acquisition Rate (DAR)*:	Min. 20 msec
Power Requirements:	230 V, 50–60 Hz, single-phase
Power Consumption:	Approx. 100 VA (0.5 A)
Mains Fuse:	2.0 A
Casing Dimensions (without handles):	See table below.
Ambient Temperature:	10–40°C (50–104°F)

* Depends on number of channels per CAN interface.

Configuration Example

Model Designation	No. of Channels	Minimum* DAR [msec]	Casing Dimensions (HxWxD) [mm]
DLS-CAN-1-12	12	40	135 x 450 x 320
DLS-CAN-1-48	48	120	135 x 450 x 320
DLS-CAN-1-96	96	240	270 x 450 x 320
DLS-CAN-2-12	12	20	135 x 450 x 320
DLS-CAN-2-48	48	60	135 x 450 x 320
DLS-CAN-2-96	96	120	270 x 450 x 320
DLS-CAN-2-168	168	210	405 x 450 x 320

* Single circuit configuration. Other configurations available on request.

Options

- Inputs for Reference Electrodes
- Digital I/O Board with 16 programmable Channels
- MicroME Controller for Stand-alone Operation
- Additional CAN Bus for Communication with External Devices, such as BMS
- Balancing for Cell Equalization
- Relay Outputs for Cell Drop Out
- Common Mode Voltage-proof Inputs

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